



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

Livestock Facility Inspection Checklist

GENERAL INFORMATION									
TYPE OF INSPECTION: <input checked="" type="checkbox"/> CAFO <input type="checkbox"/> COMPLAINT <input type="checkbox"/> RECONNAISSANCE <input type="checkbox"/> ERU FOLLOW UP <input type="checkbox"/> OPERATOR REQUEST <input type="checkbox"/> OTHER									
FACILITY NAME (LLC, Inc., Corp, Partnership, sole proprietorship, etc.) Fehr Brothers Swine Farm <small>Exemption 6 and Exemption 7(C)</small>					INSPECTION DATE 4-26-2013		ARRIVAL TIME 9:02 AM		DEPARTURE TIME 9:40 AM
ADDRESS 2842 County Road 1600 N				LATITUDE (Decimal) N 40.825		LONGITUDE (Decimal) W -88.999		GPS Measured <input type="checkbox"/> Google Earth <input checked="" type="checkbox"/>	
CITY El Paso		STATE IL	ZIP CODE 61738	INSPECTOR(s) E. Ackerman & S. Loftus			ACCOMPANIED BY (if applicable) Ken, Todd, & Jared Fehr		
COUNTY Woodford		SECTION 4	TOWNSHIP T27N	RANGE R2E	POLITICAL TOWNSHIP Panola		TEMP. ~46 F	PRECIP. TYPE / AMT LAST 24HR Sunny/Cloudy	
Facility Owner(s): <small>Exemption 6 and Exemption 7(C)</small>	NAME Kenneth Fehr				CONTACTED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		PHONE Exemption 6 and Exemption 7(C)		MOBILE Exemption 6 and Exemption 7(C)
	ADDRESS				CITY		STATE		ZIP CODE
	Exemption 6 and Exemption 7(C)								
	NAME Todd Fehr				CONTACTED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		PHONE Exemption 6 and Exemption 7(C)		MOBILE
	ADDRESS				CITY		STATE		ZIP CODE
Facility Operator(s): <small>Exemption 6 and Exemption 7(C)</small>	NAME Jared Fehr				CONTACTED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		PHONE		MOBILE
	ADDRESS				CITY		STATE		ZIP CODE
	NAME				CONTACTED <input type="checkbox"/> YES <input type="checkbox"/> NO		PHONE		MOBILE
	ADDRESS				CITY		STATE		ZIP CODE
NPDES PERMIT INFORMATION (If no NPDES Permit, skip this section)									
1. What type of NPDES permit has been issued? <input type="checkbox"/> No NPDES Permit <input type="checkbox"/> Individual NPDES Permit <input type="checkbox"/> General NPDES Permit								NPDES #	
2. What date was the NPDES permit issued?									
3. What date does the NPDES permit expire?									
4. Is a copy of the NPDES permit onsite?								<input type="checkbox"/> YES <input type="checkbox"/> NO	
5. Permitted number of animals (no. & specie)?									
6. Does the NPDES Permit contain a compliance schedule?								<input type="checkbox"/> YES <input type="checkbox"/> NO	
7. Have there been any changes made to the production area since the permit was issued?								<input type="checkbox"/> YES <input type="checkbox"/> NO	
If "YES", provide a detailed description of those changes.									

LAND APPLICATION/NUTRIENT MANAGEMENT

1. How many TOTAL acres are available for land application? <u>~278</u> acres		
2. How many acres are READILY available for land application at the time of inspection? _____ acres		
3. Estimated annual quantities of liquid waste _____ gallons		
4. Estimated annual quantities of solid waste _____ tons		
5. Does the facility have a contractor perform land application? If "YES", Name of Contractor: _____	<input type="checkbox"/> YES	<input type="checkbox"/> NO
6. What type of land application equipment is available to the facility? <input checked="" type="checkbox"/> Umbilical Injection <input type="checkbox"/> Honeywagon Injection <input type="checkbox"/> Honeywagon Surface <input type="checkbox"/> Irrigation <input type="checkbox"/> Rotational Gun <input type="checkbox"/> Manure Spreader <input type="checkbox"/> Vegetative Filter <input type="checkbox"/> Other <u>~2 Mile Reach</u>		
7. Does the facility calibrate the land application equipment? If "YES", What method is used? According to operators, there is a flow meter connected with the injection equipment. Using the flow meter and constant speed of applicator a manure application rate is estimated.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
8. Does the facility land apply within the 150 foot setback from any water well? If "YES", Explain	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
9. Does the facility land apply within the 200 foot setback from any surface water? If "YES", Explain	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
10. Does the facility land apply near any residences? If "YES", Explain <1/4 Mile	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
11. Is livestock waste transferred off-site to another party? If "YES", Are records of manure transfers kept? If "YES", Ask to see records	<input type="checkbox"/> YES <input type="checkbox"/> YES	<input type="checkbox"/> NO <input type="checkbox"/> NO
12. Does the facility have a current NMP or CNMP? If "YES", Does the facility maintain a copy of the nutrient management plan (NMP) onsite?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> YES	<input type="checkbox"/> NO <input checked="" type="checkbox"/> NO
13. Does the NMP reflect the current operational characteristics (number of animals, cropping, etc.)?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
14. Are the number of acres owned/leased consistent with those in the NMP?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
15. Is manure and wastewater being applied in accordance with setback/buffer requirements of the NMP?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
16. Are all of the records identified in the NMP being maintained and kept current?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
17. Are records being maintained at the required frequency?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
18. Are records being maintained onsite for the period required by NMP and/or NPDES permit?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
19. Confirm the NMP adequately addresses the following:		
<input type="checkbox"/> Chemicals, Contaminants, & Mortalities Properly Disposed - not Directly Disposed in Waste Handling System	<input type="checkbox"/> Storage & Maintenance of Waste Handling System	
<input type="checkbox"/> Animals not in Direct Contact with Waters of US	<input type="checkbox"/> Clean Water Diverted from Waste Handling System	
<input type="checkbox"/> Site Specific Buffers & Conservation Practices	<input type="checkbox"/> Protocols for Soil & Manure Testing	
<input type="checkbox"/> Land Application Protocols for Nutrient Utilization	<input type="checkbox"/> Records Maintained to Document Above	

LIVESTOCK FACILITY DESCRIPTION

Type of Animals	Number of Animals (currently)	Animal Capacity	Type of Confinement	Number of Structures
SWINE > 55 LBS Bld 1 (S Bld)	550	600	TOTAL CONFINEMENT BDG P.T.	1
SWINE > 55 LBS Bld 2 (M Bld)	500	600	TOTAL CONFINEMENT BDG	1
SWINE > 55 LBS Bld 3 (N Bld)	1200	1200	TOTAL CONFINEMENT BDG P.T.	1
Total	2250	2400	TOTAL CONFINEMENT BDG	3

Does the facility have an Illinois Certified Livestock Manager (300 or greater animal units)? ☐ N/A ☒ YES ☐ NO

If greater than 1000 animal units but less than 5000 animal units, does the facility have a waste management plan? ☐ N/A ☒ YES ☐ NO

If greater than 5000 animal units, has the facility submitted a waste management plan to IDOA for review? ☒ N/A ☐ YES ☐ NO

Does the facility have any other locations under common ownership, or where equipment and/or manure is shared, or where the other site shares land application sites? If so, put names and addresses below. ☒ YES ☐ NO

The Fehr Brothers Swine Farm has multiple sites in Woodford County. These facilities are sharing the hose drag land application equipment.

LIVESTOCK WASTE STORAGE

- Does the facility have any existing livestock waste containment system? ☒ YES ☐ NO
If NO, then proceed to question 10.
- General description of the waste containment system (include solid and liquid manure handling, mortality, and feed storage areas).
Two total confinement Finishing Buildings (North and Middle Building) are equipped with 8' deep total pits, Building 1 (South Building) was reported as having an 8' deep total pit for the new addition that was added to an existing building. The existing building was reported as have a 6' deep total pit.

Type of Storage	Total Storage Capacity (Specify Units)
<input type="checkbox"/> Anaerobic Lagoon	
<input type="checkbox"/> Covered Lagoon	
<input type="checkbox"/> Holding Pond	
<input type="checkbox"/> Above Ground Storage Tank ("Slurrystore")	
<input type="checkbox"/> Below Ground Storage Tank	
<input type="checkbox"/> Settling Basin	
<input type="checkbox"/> Roofed Storage Shed	
<input type="checkbox"/> Concrete Pad	
<input type="checkbox"/> Impervious Soil Pad	
<input checked="" type="checkbox"/> Underfloor Pits	2-8' deep full pits, 1-building with 8'-6' deep full pit
<input type="checkbox"/> Anaerobic Digester	
<input type="checkbox"/> Manure Stacks	
<input type="checkbox"/> Vegetative Filter	
<input type="checkbox"/> Other _____	
<input type="checkbox"/> None	

3. Do the storage structures have depth markers or staff gauges? ☐ YES ☐ NO

4. Are levels of manure in the storage structures recorded and records kept? ☐ YES ☐ NO

5. Do the storage structures have adequate freeboard? ☐ YES ☐ NO

6. Estimated final stage storage structure freeboard _____ in. of total depth _____ in.

7. Do facility personnel perform routine visual inspections of the storage structures? ☐ YES ☐ NO

8. Are the routine visual inspections documented? ☐ YES ☐ NO

9. Does the system have an outfall or discharge point? ☐ YES ☒ NO

If "YES", please provide a description (overflow pipe, spill way, etc. Include a description the area receiving the discharge).

10. Are there any portions of the production area where runoff is not controlled? ☐ YES ☒ NO

If "YES", provide a detailed description of the area(s) of concern:

MORTALITIES MANAGEMENT

1. How are mortalities managed? (Composted, buried, burned, rendering service, other)
Mortalities are sent to the Red Finisher and are picked up by Darling International for rendering. It was reported that the mortalities are picked-up twice a week.

2. Are mortalities documented and are records kept? ☒ YES ☐ NO

FACILITY WATER SOURCES

1. What type of method is used to provide drinking water for the animals?
☐ Overflow waters ☐ Tip Tanks ☐ Nipple waters ☐ Water Bowls ☒ Other **Cup**
2. How is the water for animals obtained?
☐ Community PWS ☒ On-Site Well ☐ On-Site Impoundment ☐ Other _____
3. Is a mist cooling system used? ☐ YES ☒ NO
How is mist water contained?

DAIRY OPERATION (If No Dairy, skip this section)

1. How many times per day are cows milked? _____
2. Describe how the dairy's non-contact cooling water is contained (Example: it is reused for drinking water for the animals).
3. Describe how the milking parlor is cleaned (hose or flush) and where the process wastewater goes and how it is contained.
4. Describe how the tank(s) are washed and where the process wastewater goes and how it is contained.
5. Describe where process wastewater from the plate cooler goes and how it is contained.

BEDDING (If No Bedding, skip this section)

1. Describe what type of bedding is used for the animals.
2. Describe how bedding is collected and how often.
3. What is done with the used bedding? ☐ Reused ☐ Land Applied

MANURE COLLECTION

1. How is manure collected?

- ☒ Under Floor Pit
☐ Scraped: ☐ Automatic ☐ Manual
☐ Flush
☐ Solids Separator
☐ Other: _____
☐ None

2. If manure collection system uses either clean or reused water to flush, describe where this water goes and how it is contained.

None**FEED STORAGE CONTAINMENT**

1. Describe how feed (silage, hay, etc) is contained.

- ☒ Bulk Bins
☐ Silage Pit
☐ Ag Bags
Hay: ☐ Barn ☐ Outdoor
☐ Other: _____

2. Describe how feed (silage, hay, etc) runoff is contained.

- ☒ Not Applicable – Feed totally enclosed
☐ Other: _____
☐ None

RECEIVING SURFACE WATERS

1. Provide a description of the flow path from the facility to the nearest named surface water.

An unnamed tributary to Little Panther Creek which runs tributary to Panther Creek. Stream Code DKK: Panther Creek→Mackinaw River→Illinois River.

2. What is the name of the receiving stream?

Unnamed tributary to Little Panther Creek3. Status of the named surface water: ☒ Intermittent ☐ Perennial4. Are any unnatural bottom deposits observed in the receiving stream: ☐ YES ☒ NOIf "YES", provide a description of the deposits: **Receiving stream was not inspected.**

DISCHARGES

1. Have there been any documented discharges of livestock waste to surface water <i>in the past year</i> ? If "NO" proceed to question 2.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
a. If "YES", specify the date(s). _____		
b. What was the reason for the discharge?		
c. Was the discharge the result of a 25 year-24 hour rainfall event?		
<input type="checkbox"/> YES <input type="checkbox"/> NO		
d. What was the precipitation amount? (if applicable)		
e. Was IEMA notified of the discharge?		
<input type="checkbox"/> YES <input type="checkbox"/> NO		
f. Has the facility taken corrective action to remedy the situation which caused the discharge(s)?		
<input type="checkbox"/> YES <input type="checkbox"/> NO		
If "YES", describe actions taken:		
2. Is the facility currently discharging livestock waste from the production area? If "NO" proceed to next section.		
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
a. Was the discharge the result of a 25 year-24 hour rainfall event?		
<input type="checkbox"/> YES <input type="checkbox"/> NO		
b. What was the precipitation amount? (if applicable)		
c. What is the reason for the discharge?		
d. Number of water quality samples taken: _____		
e. Locations of Water Quality Samples Relative to Discharge Flow: <input type="checkbox"/> Discharge Point/Flow Path		
<input type="checkbox"/> Upstream Waters of US <input type="checkbox"/> Confluence Waters of US <input type="checkbox"/> Downstream Waters of US		
<input type="checkbox"/> Other _____		
f. What parameter(s) tested? <input type="checkbox"/> pH <input type="checkbox"/> Ammonia <input type="checkbox"/> Nitrate <input type="checkbox"/> Nitrite <input type="checkbox"/> Phosphorus <input type="checkbox"/> BOD ₅		
<input type="checkbox"/> Total Susp Solids <input type="checkbox"/> Fecal <input type="checkbox"/> Diss O ₂ <input type="checkbox"/> Other _____		
g. Describe Flow Path to "Waters of US":		

BIOSECURITY – Inspection Activities

1. Were biosecurity measures discussed with the facility prior to inspection?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
2. Has there been 24-hours downtime between inspections for all IEPA personnel present?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
3. Was the order of inspection conducted from high risk to low risk?	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. Did all personnel stay outside livestock management and livestock waste handling facilities as defined in 35 IAC 501.285 and 35 IAC 501.300? If "YES" skip to question 7.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

BIOSECURITY – Personal Protection Equipment

5. Was sanitary footwear donned prior to entering the livestock management/waste handling facility(s)?	<input type="checkbox"/> N/A Did not Enter	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
6. Were disposable coveralls donned prior to entering the livestock management/waste handling facility(s)?	<input type="checkbox"/> N/A Did not Enter	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
7. Was sanitary footwear used during the inspection?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	
8. Was disposable sanitary outerwear disposed at the facility?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	

BIOSECURITY – Vehicle

9. Was the vehicle parking location discussed with the facility prior to inspection?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
10. Was the vehicle washed since the inspection prior to current? If "YES" skip question 11.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
11. Was the vehicle parked >300-feet from the livestock management/waste handling facility? Explain where vehicle was parked: Vehicle was parked in a location that was approved by owner of facility. Sanitary footwear was used at all Fehr Brothers Swine Farms that were inspected on April 26, 2013 and then were disposed at the last inspected facility. Same vehicle was used during all inspections.	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> YES <input type="checkbox"/> NO
12. Was IEPA vehicle used on site?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
13. Was facility vehicle used on site?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO

BIOSECURITY – Inspection Equipment

14. Was all equipment wiped down with anti-bacterial wipes?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
15. Was sample cooler kept inside vehicle during inspection? If "YES" skip question 16.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
16. Was sample cooler wiped down with antibacterial wipes before placing back into vehicle?	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> YES <input type="checkbox"/> NO

OTHER COMMENTS/NOTES**Land Application:**

Last fall was the last time manure was land applied from this facility. Records were reported as being sent into the Agency as required by the Consent Order. The next land application is scheduled to occur this spring once the weather allows. Recently the manure from Building 1 (South Building) was transferred to Building 3 (North Building) in preparation for the land application.

CNMP:

The CNMP is being updated by the engineer.

Illinois Certified Livestock Managers:

This facility has two CLMs Ken and Todd Fehr.

Fire Destroys Two Total Confinement Buildings:

There were two other total confinement buildings the gilt development and nursery building. These were burnt down in a fire in January 2013. There is still some debris from the fire left at the facility. These buildings were reported as going to be cleaned as soon as possible with the manure in the partial pits properly land applied. During the inspection these pits had approximately 2' freeboard. It was reported that the freeboard on these pits would be properly checked to insure no release of manure would occur.

Perimeter Tile Samples:

Station BD-1 (9:30 AM April 26, 2013)

Station BD-1 identifies a liquid sample collected from the south total confinement building, Building 1, Perimeter Tile. This sample was slightly turbid with a slight brown color.

Station BD-3 (9:32 AM April 26, 2013)

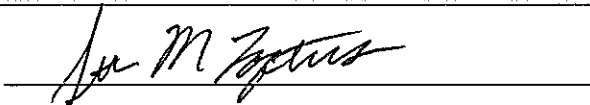
Station BD-3 identifies a liquid sample collected from the north total confinement building, Building 3, Perimeter Tile. This sample was clear in color with a few dark particles. This sample had a slight odor occurring.

Isaac Gerard an Illinois Department of Natural Resources Conservation Police Officer accompanied us during this inspection.

Check all attachments: ☐ Narrative ☒ Photos ☐ Site Plan ☒ Sample Results

INSPECTOR'S SIGNATURE

REPORT DATE



April 26, 2013

Cc: BOW/DWPC/RU

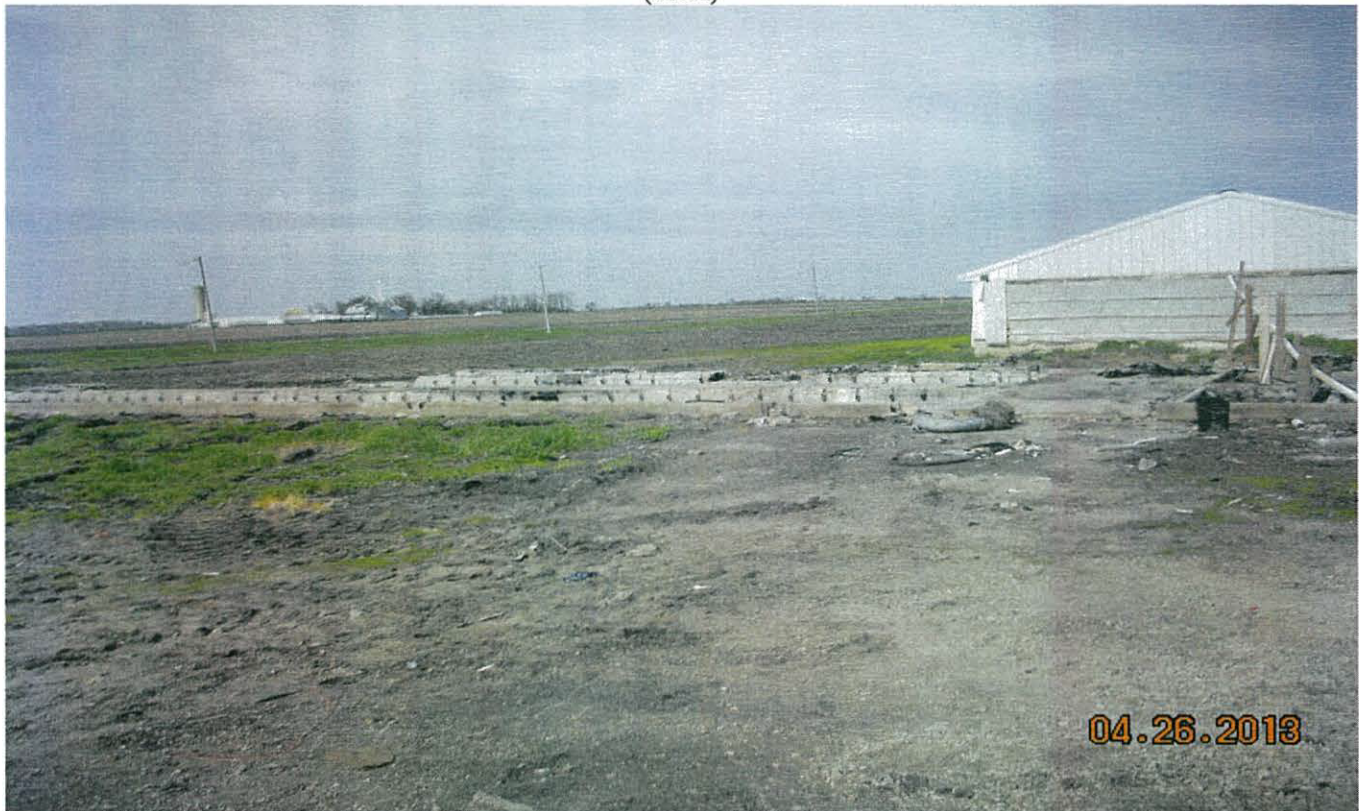
Attachments: _____

- Photographs
- Laboratory sheets (to be forwarded)

Revised February 2013

Fehr Brothers Swine Farm -
Woodford County
April 26, 2013
(IEPA)

Exemption 6 and Exemption 7(C)



Photograph #1. The fire-damaged Nursery Building is shown. View is southwest.



Photograph #2. The manure storage pits at the fire-damaged Nursery Building are shown. View is south.

Fehr Brothers Swine Farm - Exemption 6 and Exemption 7(C)
Woodford County
April 26, 2013



Photograph #3. A portion of the fire-damaged Nursery Building is shown in the foreground. View is north.



Photograph #4. The manure storage pits at the Nursery Building are seen. View is south.

Fehr Brothers Swine Farm - Exemption 6 and Exemption 7(C)
Woodford County
April 26, 2013



Photograph #5. The top of a perimeter tile sampling port is seen at west end of a swine confinement building.



Photograph #6. The current condition of fire-damaged Nursery Building is shown. View is south.
c:\livestock\fehr_bros_swine_farm\jared\photos_digital_april_26_2013.doc

Fehr Brothers Swine Farm— Exemption 6 and Exemption 7(C)

Woodford County
El Paso, Illinois
(2842 County Road 1600 N)

Table 1.

**Laboratory Results of Perimeter Tile Samples for Swine Confinement
Buildings at** Exemption 6 and Exemption 7(C) **in Woodford County on April 26, 2013.**

Parameter (mg/l)	Station	
	BD-1 (perimeter tile - south building)	BD-3 (perimeter tile - north building)
Ammonia*	18.1	0.32
Nitrate + Nitrite	91.1	49.4
Phosphorus	0.846	0.294
BOD*	3.4	5.10
Total Suspended Solids ^{J3}	91	49
pH (units)*	7.3	7.3

Note: * - Holding time exceeded.

J3 - Failed to meet quality control criteria.

c:\livestock\fehr_bros\Exemption\labdata_table1_april_26_2013.doc

-Joey -Chuck C. pdf
-Jane -Sharon, RU 7-17-13

09-Funding Code: WP 02 10-Agency Routing PR 12-File Code: AGRT 13-Sample Type: X
15-Reporting: B 16-DID: Basin _____ County _____ Plant _____ 17-Sampling Program: AG
18-Facility/Sample Pt: FEHR BROS STATION BD-1 19-Begin 13 04 26 20-Begin 09 30

23-Instructions

to Lab: _____ Date: Y Y M M D D H H M M (24-hour clock)
21-Collected by: EOA 22-Transported by: UPS

Composite Sample

Ending Date: 5 29 F 0 Y Y M M D D
Ending Time: 5 29 F 0 H H M M
(24-hour clock)

03-Lab Parameter Group: EEFO1
Additional Field
Lab Parameters Parameters Results
Nitrate 501F0
Phosphorus Air Temp (°C) _____
502F0
Water Temp (°C) _____
504F0
Dissolved O₂ _____
503F0
Conductance _____
500F0
pH _____

Comments & Unusual Conditions &
Severity: (If applicable, Stamp-
No Visible Problem This Visit")

Sample collected from perimeter tile sump at
Remarks: Building #1

Sampling Techniques:

liquid - grab

Mail To:

SD31135

27-Received by: _____ Date: _____
Y Y M M D DReceived by: _____ Date: _____
Y Y M M D D

Circle One: Effluent Stream Specials:
Influent Process Flows WWTP
Sludge Cooling Water Other

Program: Ag - LivestockNPDES NO. CAFO

Receiving Stream Name: _____

Receiving Stream Conditions (velocity, etc): _____

Effluent Conditions: _____

RECEIVED
PEORIA - DWPC

JUL 11 2013

ENVIRONMENTAL PROTECTION AGENCY
STATE OF ILLINOIS

Weather Conditions: _____

FOR LABORATORY USE ONLY

LAB ID NO. _____

Sample Received By: EMBDate Received: APR 30 2013Time Received: 0930 AM _____ PM

Lab Section: _____

Supervisor: Cmc

JUN 24 2013



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **FEHR BROS** Exemption 6 and Exemption 7(C)

Project/Facility Number: [none] Date Received : 04/30/13

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 6.00

Client Sample ID: **BD-1** Lab Sample ID: **SD31135-01**

Matrix: Water Date/Time Collected: 04/26/13 9:30

Sample Type: Grab Field pH: Collected By: EOA

Biochemical Oxygen Demand, 5 day, by Standard Method 5210B

Method: 5210B Prepared: 05/01/13 11:06

Units: mg/L Analyzed: 05/06/13 07:00

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
BOD 5DAY	3.40	Q	2.00	

Nitrate-Nitrite, Colorimetric, Automated Cadmium by EPA Method 353.2

Method: 353.2 Prepared: 05/03/13 10:16

Units: mg/L Analyzed: 05/03/13 12:11

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO ₂) + Nitrate	91.1		0.100	

Nitrogen, Ammonia, Potentiometric, Ion Selective by EPA Method 350.3

Method: 350.3 Prepared: 05/09/13 08:22

Units: mg/L Analyzed: 06/17/13 11:19

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	18.1	Q	1.00	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Celeste Crowley, Acting Laboratory Manager, at 217.782.9780.

Reported:
06/24/13 08:03
Page 1 of 3



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **FEHR BROS** Exemption 6 and Exemption 7(C)

Project/Facility Number: [none]

Date Received : 04/30/13

Funding Code: WP02

Visit Number:

Trip ID:

Temperature C: 6.00

Client Sample ID: **BD-1**

Lab Sample ID: **SD31135-01**

Matrix: Water

Date/Time Collected: 04/26/13 9:30

Sample Type: Grab

Field pH:

Collected By: EOA

pH

Method: 150.1

Prepared: 05/01/13 15:48

Units: PH

Analyzed: 05/01/13 15:48

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Laboratory pH	7.3	Q	0.1	

Phosphorus, All Forms, Colorimetric, Ascorbic by EPA Method 365.3

Method: 365.3

Prepared: 05/02/13 11:11

Units: mg/L

Analyzed: 05/06/13 11:37

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phosphorus as P	0.846		0.0050	

Total Suspended Solids by Standard Method 2540D

Method: 2540D

Prepared: 05/02/13 12:11

Units: mg/L

Analyzed: 05/02/13 12:11

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Suspended Solids	91	J3	4	

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Reported:
06/24/13 08:03
Page 2 of 3



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **FEHR BROS** Exemption 6 and Exemption 7(C)

Project/Facility Number: [none]

Date Received : 04/30/13

Funding Code: WP02

Visit Number:

Trip ID:

Temperature C: 6.00

Notes and Definitions

- Q Maximum holding time exceeded.
- J3 The reported value failed to meet the established quality control criteria for either precision or accuracy possibly due to matrix effects.
- ND Analyte NOT DETECTED at or above the reporting limit
- * Non-NELAP accredited

Report Authorized by:

Sally Geyston

Sally Geyston
Sample Prep Unit Supervisor

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Reported:

06/24/13 08:03

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09-Funding Code: WPO2 10-Agency Routing PR 12-File Code: AGRI 13-Sample Type: X
15-Reporting: B 16-DID: Basin _____ County _____ Plant _____ 17-Sampling Program: AG
18-Facility/Sample Pt: FEHR BROS _____
STATION BD-3 19-Begin 13 04 26 20-Begin 09 32

23-Instructions _____
to Lab: _____ Date: Y Y M M D D H H M M (24-hour clock)
21-Collected by: EOA 22-Transported by: UPS

Composite Sample

Ending Date: 5 2 9 F 0
Y Y M M D D
Ending Time: 5 2 9 F 0
H H M M
(24-hour clock)

03-Lab Parameter Group: EFFO1
Additional Field
Lab Parameters Parameters Results
Nitrate 501F0 _____
Phosphorus Air Temp (°C) _____
502F0 _____
Water Temp (°C) _____
504F0 _____
Dissolved O₂ _____
503F0 _____
Conductance _____
500F0 _____
pH _____

27-Received by: _____ Date: _____
Y Y M M D D

Received by: _____ Date: _____
Y Y M M D D

Circle One: Effluent Stream Specials:
Influent Process Flows WWTP
Sludge Cooling Water Other

Program: Ag - Livestock

~~NPDES No.~~ CAFO

Receiving Stream Name: _____

Receiving Stream Conditions (velocity, etc): _____

Effluent Conditions: _____

RECEIVED
PEORIA-DWPC

JUL 11 2013

ENVIRONMENTAL PROTECTION AGENCY
STATE OF ILLINOIS

Comments & Unusual Conditions &
Severity: (If applicable, Stamp-
No Visible Problem This Visit")

Weather Conditions: _____

Sample collected from perimeter
tile sump at Building #3.

Remarks: _____

Sampling Techniques:

liquid-grab

Mail To: _____

SD31136

FOR LABORATORY USE ONLY

LAB ID NO. _____

Sample Received By: EMB

Date Received: APR 30 2013

Time Received: 0930 AM _____ PM

Lab Section: _____

Supervisor: emc JUN 24 2013



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **FEHR BROS** Exemption 6 and Exemption 7(C)
Project/Facility Number: [none] Date Received : 04/30/13
Funding Code: WP02 Visit Number:
Trip ID: Temperature C: 6.00
Client Sample ID: **BD-3** Lab Sample ID: **SD31136-01**
Matrix: Water Date/Time Collected: 04/26/13 9:32
Sample Type: Grab Field pH: Collected By: EOA

Biochemical Oxygen Demand, 5 day, by Standard Method 5210B

Method: 5210B Prepared: 05/01/13 11:06
Units: mg/L Analyzed: 05/06/13 07:00

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
BOD 5DAY	5.10	Q	2.00	

Nitrate-Nitrite, Colorimetric, Automated Cadmium by EPA Method 353.2

Method: 353.2 Prepared: 05/03/13 10:16
Units: mg/L Analyzed: 05/03/13 12:13

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO₂) + Nitrat	49.4		0.100	

Nitrogen, Ammonia, Potentiometric, Ion Selective by EPA Method 350.3

Method: 350.3 Prepared: 05/09/13 08:22
Units: mg/L Analyzed: 06/17/13 11:19

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	0.32	Q	0.10	

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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **FEHR BROS** Exemption 6 and Exemption 7(C)

Project/Facility Number: [none]

Date Received : 04/30/13

Funding Code: WP02

Visit Number:

Trip ID:

Temperature C: 6.00

Client Sample ID: **BD-3**

Lab Sample ID: **SD31136-01**

Matrix: Water

Date/Time Collected: 04/26/13 9:32

Sample Type: Grab

Field pH:

Collected By: EOA

pH

Method: 150.1

Prepared: 05/01/13 15:48

Units: PH

Analyzed: 05/01/13 15:48

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Laboratory pH	7.3	Q	0.1	

Phosphorus, All Forms, Colorimetric, Ascorbic by EPA Method 365.3

Method: 365.3

Prepared: 05/02/13 11:11

Units: mg/L

Analyzed: 05/06/13 11:37

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phosphorus as P	0.294		0.0050	

Total Suspended Solids by Standard Method 2540D

Method: 2540D

Prepared: 05/02/13 12:11

Units: mg/L

Analyzed: 05/02/13 12:11

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Suspended Solids	49	J3	4	

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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: FEHR BROS Exemption 6 and Exemption 7(C)

Project/Facility Number: [none]

Date Received : 04/30/13

Funding Code: WP02

Visit Number:

Trip ID:

Temperature C: 6.00

Notes and Definitions

- Q Maximum holding time exceeded.
- J3 The reported value failed to meet the established quality control criteria for either precision or accuracy possibly due to matrix effects.
- ND Analyte NOT DETECTED at or above the reporting limit
- * Non-NELAP accredited

Report Authorized by:

Sally Geyston

Sally Geyston
Sample Prep Unit Supervisor

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